

WHAT IS CLAIMED IS:

1. A data structure of menu display control data which is read out by a processor of a display device displaying a menu image, comprising:

a plurality of first management tables each of which manages a plurality of large items to be subjected to a display process by said processor; and

a plurality of second management tables which belong to each of said plurality of first management tables and each of which manages a plurality of small items to be subjected to a display process by said processor, wherein

dependency relationship information indicative of dependence on a small item managed under a first management table different from the first management table to which a noticed second management table belongs is assigned to said noticed second management table, so that, when a desired small item is selected, said processor can display a plurality of small items dependent on said desired small item, based on said dependency relationship information.

2. A data structure according to claim 1, wherein desired small item information indicative of said desired small item is assigned to the first management table managing said desired small item, so that said processor can display said desired small item instead of a large item corresponding to said desired small item, based on said desired small item information.

3. A data structure according to claim 2, wherein said desired small item information is switched to small item unselected information when said desired small item is deselected, so that said processor can display the large item corresponding to said desired small item instead of said desired small item, based on said small item unselected information.

4. A data structure according to any one of claims 1 to 3, wherein unselectable

information is assigned to the first management table to which a second management table dependent on a small item of the second management table in which said desired small item is not selected belongs, so that said processor can suspend display of the large items managed by the first management table to which said unselectable information is assigned.

5 5. A data structure according to any one of claims 1 to 4, wherein the plurality of second management tables belonging to each of said plurality of the first management tables form a sequence, and leading position information and number-of-tables information of said plurality of second management tables are assigned to each of said plurality of the first management tables.

10 6. A data structure according to any one of claims 1 to 5, wherein said dependency relationship information can be indicative of dependency relationships with a plurality of small items.

7. A data file storing menu display control data according to any one of claims 1 to

15 6.

8. A menu display device comprising a display means for displaying a menu image based on menu display control data, wherein

said menu display control data includes a plurality of first management tables which each manage a plurality of large items and a plurality of second management tables which belong to each of said plurality of first management tables and each of which manages a plurality of small items, each of said plurality of second management tables is assigned to dependency relationship information indicative of dependence on a small item under a first management table different from the first management table to which the second management table belongs, and

25 said display means includes a specifying means which, when a desired small item

is selected, specifies a plurality of small items dependent on said desired small item, based on said dependency relationship information.

9. A menu display device according to claim 8, wherein

5 said display means further includes a first assigning means for assigning desired small item information indicative of said desired small item to the first management table managing said desired small item, and a small item display means for displaying said desired small item instead of a large item corresponding to said desired small item based on said desired small item information.

10 10. A menu display device according to claim 9, wherein said display means further includes a switching means for making a switch from said desired small item information to small item unselected information when said desired small item is deselected, and a large item display means for displaying the large item corresponding to said desired small item instead of said desired small item, based on said small item unselected information.

15 11. A menu display device according to any one of claims 8 to 10, wherein said display means further includes a second assigning means for assigning unselectable information to a first management table to which a second management table dependent on the small items of the second management table in which said desired small item is not selected, and a suspending means for suspending display of large items managed by the
20 first management table to which said unselectable information is assigned.

12. A menu display device according to any one of claims 8 to 11, further comprising:

 a photographing means for photographing an object; and

25 a creating means for creating an image file containing an image signal of the object photographed by said photographing means and menu information including said

desired small item.